M.C.A. DEGREE EXAMINATION, MAY - 2015

First Year

Paper - III : COMPUTER ORGANIZATION

Time : 03 Hours   Maximum Marks : 75

SECTION-A   *(3 x 15 = 45)*

Answer Any Three of the following

1)   Describe in detail the history of computers.

2)   Explain about the structure and functions of computers.

3)   Explain about magnetic disk.

4)   Explain about the Pentium processor.

5)   Discuss about processor organization.

SECTION-B   *(5 x 5 = 25)*

Answer Any Five of the following

6)   Discuss about power PC processor and explain its characteristics.

7)   Write a note on Addressing modes.

8)   Differentiate RISC and CISC.

9)   Write a note on Cache memory.

10)   Write a note on interrupt driven I/O.

11)   Write a note on instruction cycle.

12) Describe instruction pipelining.

13) Explain about user visible registers.

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SECTION-C   *(5 x 1 = 5)*

Answer All of the following

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14) What is fetch cycle?

15) What is arithmetic shift.

16) What is status register?

17) What is interconnection structure?

18) What is program counter?

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